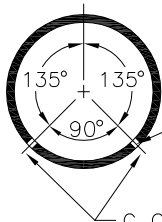


Diagram illustrating the cross-section of a bioretention system. Key components and dimensions include:

- EDGE OF PAVEMENT** and **CONC BAND OR GUTTER (OPTIONAL)** on the left side.
- 2%** slope indicated on the left side.
- 1'-0" MIN** dimension for the left side slope.
- VARIES** dimension for the central area.
- 6" MINIMUM FREEBOARD DEPTH** dimension for the central area.
- 6" - 12" MAX. PONDING DEPTH** dimension for the central area.
- 1'-0" MIN** dimension for the right side slope.
- 3" DEPTH OF MULCH OR COMPOST** dimension for the top layer.
- EXISTING GROUND (VARIES)** dimension for the right side.
- 2.5:1 MAX** slope indicated for the central area.
- 1' MIN.** dimension for the bottom layer.
- 3" OF COMPOST** dimension for the bottom layer.
- MINIMUM 1' DEPTH TO HIGH GROUNDWATER TABLE, NOV.-MAY.** dimension for the bottom layer.
- BIORETENTION SOIL, COMPACTED TO 90% DENSITY** label for the left side.
- BIORETENTION SOIL MIX (SEE NOTE 1)** label for the right side.

NOTES:

DETAIL A - (SSD)  
SLOTTED STORM DRAIN



- C OF SLOT LOCATIONS

5. SLOT LOCATIONS ARE TO BE 0.04" - 0.069" WIDE, (IN 2 ROWS ON 45 DEGREE CENTERS) AND COVER 1/2 THE CIRCUMFERENCE OF THE PIPE. BY 1.0" LONG AND SPACED 0.25" APART.
6. SEE NDP MATERIALS CHAPTER D6-04 FOR OTHER UNDERDRAIN OPTIONS.
7. UNDERDRAIN SLOTS ORIENTED ON BOTTOM OF PIPE.

City of  
Bellevue

## STORM AND SURFACE WATER UTILITY

## BIORETENTION SWALE

NO. NDP-3